



BANGALORE WATER SUPPLY AND SEWERAGE BOARD

Office of the CE (Project)

Cauvery Bhavan III Floor, Bangalore 560009

No. BWSSB/CE(P)/ACE (P)-1,2/ **478** /2025-26 Dt: **5**.06.2025

Addendum No. 2

Name of the Work:

Design, Engineering, Construction and Commissioning of Wastewater Treatment Plants with Tertiary Treatment Facility and Intermediate Sewage Pumping Station along with Operation & Maintenance Thereof for ten years [Works - A] and Procurement and Construction Rising Main, main Sewers and Laterals Including Machineholes and Lift Sewage Pumping Stations [Works – B] Hybrid Mode for Bommanahalli Zones in 110 village areas (Phase II) under Karnataka Water Security and Disaster Resilience Program (KWSDRP) - (Contract Package No. BWSSB CE-P/KWSDRP/WBS-IV).

Ref:

- 1.Tender Notification NO.BWSSB/CE(P)/ACE(P)-1,2/141/2025-26 Dtd:29.04.2025
2. INDENT No. BWSSB/2025-26/WT/WORK_INDENT2256

In continuation to the above Tender Notification cited under reference, an Addendum-II with respect to subject tender work is issued as enclosed.

Other conditions remain unaltered.


Chief Engineer (P)
Bangalore Water Supply and Sewerage Board,
Bangalore

Contract Package: WBS-4

Addendum No. 2

Amendment in Volumes be referred as under

Sr. No.	Tender Ref.	Existing Contents of Tender Document	Amended
1.	Volume-2 / Section-7, Cl. No. 12.3, Part 12-3	12.3 Power Supply Arrangement WwTP: The outgoing of the 11kV indoor panel for plant distribution shall feed • 2 Nos. of 11/0.433kV Distribution Transformers for WwTP plant loads. • 2 Nos. of 11/0.433kV Distribution Transformers for Process Air Blowers loads.	<u>Shall be read as</u> 12.3 Power Supply Arrangement WwTP/TSPS: The outgoing of the 11kV indoor panel for plant distribution shall feed • 2 Nos. of 11/0.433kV Distribution Transformers for WwTP/TSPS plant loads and Process Air Blowers loads. All other requirements shall remain same as per Tender Document.
2.	Volume-2 / Section-7, Cl. No. 12.4.10, Part 12-9	12.4.10 Standby Diesel Generator Sets Diesel Generator Sets shall be provided with Acoustic Enclosure and AMF panel with Air Circuit Breaker (ACB) at WwTP/TSPS/ISPS and sized for power back up of all the WwTP/TSPS/ISPS loads which requires continuous operation of the corresponding WwTP/TSPS/ISPS plant during main power failure. 10% contingency over these loads shall be considered while sizing the DG Set.	<u>Shall be read as</u> 12.4.10 Standby Diesel Generator Sets Diesel Generator Sets shall be provided with Acoustic Enclosure and AMF panel at each • WwTP/TSPS and sized for power back up of minimum 50% of the WwTP/TSPS loads including Air Blower Loads of the corresponding WwTP/TSPS plant during main power failure. • ISPS and sized for power back up of minimum 50% of the ISPS loads during main power failure. 10% contingency over these loads shall be considered while sizing the DG Set.

Sr. No.	Tender Ref.	Existing Contents of Tender Document	Amended																																
			All other requirements shall remain same as per Tender Document.																																
3.	Volume-2 / Section-7, Cl. No. 12.4.11, Part 12-9 & Cl. No. 6.5, Part 6-29	12.4.11 415V PCC / MCC 6.5 415V Metal Enclosed Switchgears (PCC / MCC)	Add the following paragraph below the Cl. No. 12.4.11 & Cl. No. 6.5 “All 415V Metal Enclosed Switchgears (PCC/MCC) shall be conventional type. IMCC/Intelligent MCC is not required” All other requirements shall remain same as per Tender Document.																																
4.	Volume-2 / Section-7, Cl. No. 15.21.1, Part 5-40, Part 5-46, Part 5-52, Part 5-58.	15.21.1 TSPS & WwTPs Design/Sizing Criteria <table border="1"> <thead> <tr> <th>Item/ Parameter/ Description</th><th>Units</th><th>WwTP at Chikka Begur</th><th>WwTP at Saulkere</th></tr> </thead> <tbody> <tr> <td>N-1 condition</td><td></td><td>The Bidder shall provide calculations for operating the WwTP at Design Flows with 1 tank/unit/module offline for maintenance.</td><td>The Bidder shall provide calculations for operating the WwTP at Design Flows with 1 tank/unit/module offline for maintenance.</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Item/ Parameter/ Description</th><th>Units</th><th>WwTP at Chikka Begur</th><th>WwTP at Saulkere</th></tr> </thead> <tbody> <tr> <td>N-1 condition</td><td></td><td>The Bidder shall provide calculations for operating the</td><td>The Bidder shall provide calculations for</td></tr> </tbody> </table>	Item/ Parameter/ Description	Units	WwTP at Chikka Begur	WwTP at Saulkere	N-1 condition		The Bidder shall provide calculations for operating the WwTP at Design Flows with 1 tank/unit/module offline for maintenance.	The Bidder shall provide calculations for operating the WwTP at Design Flows with 1 tank/unit/module offline for maintenance.	Item/ Parameter/ Description	Units	WwTP at Chikka Begur	WwTP at Saulkere	N-1 condition		The Bidder shall provide calculations for operating the	The Bidder shall provide calculations for	Shall be read as 15.21.1 TSPS & WwTPs Design/Sizing Criteria <table border="1"> <thead> <tr> <th>Item/ Parameter/ Description</th><th>Units</th><th>WwTP at Chikka Begur</th><th>WwTP at Saulkere</th></tr> </thead> <tbody> <tr> <td>N-1 condition</td><td></td><td>Deleted</td><td>Deleted</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Item/ Parameter/ Description</th><th>Units</th><th>WwTP at Chikka Begur</th><th>WwTP at Saulkere</th></tr> </thead> <tbody> <tr> <td>N-1 condition</td><td></td><td>Deleted</td><td>Deleted</td></tr> </tbody> </table>	Item/ Parameter/ Description	Units	WwTP at Chikka Begur	WwTP at Saulkere	N-1 condition		Deleted	Deleted	Item/ Parameter/ Description	Units	WwTP at Chikka Begur	WwTP at Saulkere	N-1 condition		Deleted	Deleted
Item/ Parameter/ Description	Units	WwTP at Chikka Begur	WwTP at Saulkere																																
N-1 condition		The Bidder shall provide calculations for operating the WwTP at Design Flows with 1 tank/unit/module offline for maintenance.	The Bidder shall provide calculations for operating the WwTP at Design Flows with 1 tank/unit/module offline for maintenance.																																
Item/ Parameter/ Description	Units	WwTP at Chikka Begur	WwTP at Saulkere																																
N-1 condition		The Bidder shall provide calculations for operating the	The Bidder shall provide calculations for																																
Item/ Parameter/ Description	Units	WwTP at Chikka Begur	WwTP at Saulkere																																
N-1 condition		Deleted	Deleted																																
Item/ Parameter/ Description	Units	WwTP at Chikka Begur	WwTP at Saulkere																																
N-1 condition		Deleted	Deleted																																

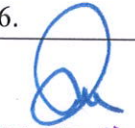
Sr. No.	Tender Ref.	Existing Contents of Tender Document				Amended			
				WwTP at Design Flow with 1 IFAS tank/unit/module offline for maintenance.	operating the WwTP at Design Flow with 1 IFAS tank/unit/module offline for maintenance.				

Sr. No.	Tender Ref.	Existing Contents of Tender Document	Amended																								
5.	Volume-2 / Section-7, Cl. No. 15.21.1, Part 5-62	15.21.1 TSPS & WwTPs Design/Sizing Criteria <table><tr><th>Item/Parameter/Description</th><th>Units</th><th>WwTP at Chikka Begur</th><th>WwTP at Saulkere</th></tr><tr><td>Total number of standby blowers</td><td>Nos</td><td>2</td><td>2</td></tr><tr><td>Type of Blower</td><td></td><td>Rotary Tri-Lobe PD with VFD Control</td><td>Centrifugal Turbo Blower with VFD Control</td></tr></table>	Item/Parameter/Description	Units	WwTP at Chikka Begur	WwTP at Saulkere	Total number of standby blowers	Nos	2	2	Type of Blower		Rotary Tri-Lobe PD with VFD Control	Centrifugal Turbo Blower with VFD Control	Shall be read as 15.21.1 TSPS & WwTPs Design/Sizing Criteria <table><tr><th>Item/Parameter/Description</th><th>Units</th><th>WwTP at Chikka Begur</th><th>WwTP at Saulkere</th></tr><tr><td>Total number of standby blowers</td><td>Nos</td><td>1</td><td>1</td></tr><tr><td>Type of Blower</td><td></td><td>Rotary Tri-Lobe PD with VFD Control</td><td>Rotary Tri-Lobe PD with VFD Control / Single stage centrifugal blower with VFD Control / Centrifugal Turbo Blower with VFD Control</td></tr></table> All other requirements shall remain same as per Tender Document.	Item/Parameter/Description	Units	WwTP at Chikka Begur	WwTP at Saulkere	Total number of standby blowers	Nos	1	1	Type of Blower		Rotary Tri-Lobe PD with VFD Control	Rotary Tri-Lobe PD with VFD Control / Single stage centrifugal blower with VFD Control / Centrifugal Turbo Blower with VFD Control
Item/Parameter/Description	Units	WwTP at Chikka Begur	WwTP at Saulkere																								
Total number of standby blowers	Nos	2	2																								
Type of Blower		Rotary Tri-Lobe PD with VFD Control	Centrifugal Turbo Blower with VFD Control																								
Item/Parameter/Description	Units	WwTP at Chikka Begur	WwTP at Saulkere																								
Total number of standby blowers	Nos	1	1																								
Type of Blower		Rotary Tri-Lobe PD with VFD Control	Rotary Tri-Lobe PD with VFD Control / Single stage centrifugal blower with VFD Control / Centrifugal Turbo Blower with VFD Control																								
6.	Volume 2 Part-8, Cl. No. 8.26, Part 8-139	8.26 Disc Filter <table><tr><th>Control Panel</th><th></th></tr><tr><td>Type</td><td>: Self-standing / Wall Mounting type, PLC based controls with HMI Screen of 10 inches. PLC shall be provided with Hardwired communication protocol interfacing with Plant SCADA system.</td></tr><tr><td>MOC of control panel</td><td>: Stainless Steel SS-304 / SS-316</td></tr></table>	Control Panel		Type	: Self-standing / Wall Mounting type, PLC based controls with HMI Screen of 10 inches. PLC shall be provided with Hardwired communication protocol interfacing with Plant SCADA system.	MOC of control panel	: Stainless Steel SS-304 / SS-316	Shall be Read as 8.26 Disc Filter <table><tr><th>Control Panel</th><th></th></tr><tr><td>Type</td><td>: Self-standing / Wall Mounting type, PLC based controls with HMI Screen of 10 inches. PLC shall be provided with Hardwired</td></tr></table>	Control Panel		Type	: Self-standing / Wall Mounting type, PLC based controls with HMI Screen of 10 inches. PLC shall be provided with Hardwired														
Control Panel																											
Type	: Self-standing / Wall Mounting type, PLC based controls with HMI Screen of 10 inches. PLC shall be provided with Hardwired communication protocol interfacing with Plant SCADA system.																										
MOC of control panel	: Stainless Steel SS-304 / SS-316																										
Control Panel																											
Type	: Self-standing / Wall Mounting type, PLC based controls with HMI Screen of 10 inches. PLC shall be provided with Hardwired																										

Sr. No.	Tender Ref.	Existing Contents of Tender Document		Amended										
		Protection Class	:	IP-55 & suitable for outdoor mounting.	<table><tr><td></td><td>:</td><td>communication protocol interfacing with Plant SCADA system</td></tr><tr><td>MOC of control panel Cabinet only</td><td>:</td><td>Stainless Steel SS-304 / SS-316.</td></tr><tr><td>Protection Class</td><td>:</td><td>IP-55 & suitable for outdoor mounting</td></tr></table> All other requirements shall remain same as per Tender Document.		:	communication protocol interfacing with Plant SCADA system	MOC of control panel Cabinet only	:	Stainless Steel SS-304 / SS-316.	Protection Class	:	IP-55 & suitable for outdoor mounting
	:	communication protocol interfacing with Plant SCADA system												
MOC of control panel Cabinet only	:	Stainless Steel SS-304 / SS-316.												
Protection Class	:	IP-55 & suitable for outdoor mounting												
7.	Volume 2 Part-13, Cl. No. 13.2, Part 13-6	The PLC / RIO Panels shall be double door conformal coating with sand blasting and having a minimum panel size of 900mm & Height not to exceed 2000mm, Gland plate-2mm, copper earth bus 25x6 mm, and panel painting is RAL 7035 (with interior Brilliant White Glassy Finish) with Ingress Protection of IP-54. The panel's front view shall be a lockable double door with transparent glass windows, allowing visibility to the panel-mounted HMI and controllers, etc. The Material of Construction for Panels shall be SS-316.			Shall be Read as The PLC / RIO Panels shall be double door conformal coating with sand blasting and having a minimum panel size of 900mm & Height not to exceed 2000mm, Gland plate-2mm, copper earth bus 25x6 mm, and panel painting is RAL 7035 (with interior Brilliant White Glassy Finish) with Ingress Protection of IP-54. The panel's front view shall be a lockable double door with transparent glass windows, allowing visibility to the panel-mounted HMI and controllers, etc. The Material of Construction for all Panels shall be followed as per Clause No.7.10.II & III,Part-7 in volume-2 of the tender document. The Material of Construction of Disc Filter control panel (cabinet only) shall be SS304/ SS-316.									


Team Leader
PMC : TCE - NJSEI (JV) Consultants
KWSDRP - BWSSB

KWSDRP / WBS 4


CE (Chief Engineer (P))
BWSSB
Bangalore Water Supply and Sewerage Board,

S.No.	Particulars	Unit	Quantity	Amount (Rs.)	Remarks
1	Supply and installation of 100mm x 100mm x 10mm glass panes for double doors at 100mm x 100mm x 10mm	sq.m	100	100000	
2	Supply and installation of 100mm x 100mm x 10mm glass panes for double doors at 100mm x 100mm x 10mm	sq.m	100	100000	
3	Supply and installation of 100mm x 100mm x 10mm glass panes for double doors at 100mm x 100mm x 10mm	sq.m	100	100000	
4	Supply and installation of 100mm x 100mm x 10mm glass panes for double doors at 100mm x 100mm x 10mm	sq.m	100	100000	
5	Supply and installation of 100mm x 100mm x 10mm glass panes for double doors at 100mm x 100mm x 10mm	sq.m	100	100000	
6	Supply and installation of 100mm x 100mm x 10mm glass panes for double doors at 100mm x 100mm x 10mm	sq.m	100	100000	
7	Supply and installation of 100mm x 100mm x 10mm glass panes for double doors at 100mm x 100mm x 10mm	sq.m	100	100000	
8	Supply and installation of 100mm x 100mm x 10mm glass panes for double doors at 100mm x 100mm x 10mm	sq.m	100	100000	
9	Supply and installation of 100mm x 100mm x 10mm glass panes for double doors at 100mm x 100mm x 10mm	sq.m	100	100000	
10	Supply and installation of 100mm x 100mm x 10mm glass panes for double doors at 100mm x 100mm x 10mm	sq.m	100	100000	